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CITE MPIC 4274

AN ANALYSIS OF A RANDOM SELECTION OF 62 SOVIET SA-2 SAM SITES WAS MADE TO DETERMINE THE TYPE OF FAN SONG GUIDANCE RADAR MOST WIDELY UTILIZED WITH THE SA-2 GUIDELINE SYSTEM. OF THIS SAMPLING, THE FOLLOWING TYPES OF FAN SONG RADARS WERE OBSERVED: 20 TYPE E (EIGHT CONFIRMED, SEVEN PROBABLE, AND FIVE POSSIBLE),

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15 TYPE B/C (15 CONFIRMED, ONE PROBABLE, AND ONE POSSIBLE), AND 27 FAN SONG RADARS OF AN UNIDENTIFIED TYPE. THE TYPE E RADAR IS THE LATEST DEPLOYED VARIANT OF THE SA-2 FAN SONG SERIES. IT HAS A GREATLY INCREASED DETECTION CAPABILITY AS WELL AS AN ELECTRONIC COUNTER COUNTER MEASURE (ECCM) MODE OF OPERATION.

THE FOLLOWING SITE DEVELOPMENTS OR MODIFICATIONS WERE ALSO OBSERVED DURING THIS SAMPLING STUDY.

1. MOUNDS FOR THE FAN SONG RADARS ARE UNDER CONSTRUCTION OR COMPLETE AT MORE THAN HALF OF THE SITES SEEN. THESE MOUNDS VARY IN HEIGHT AND OBVIOUSLY ARE AN ATTEMPT TO ELEVATE THE RADAR ABOVE THE SURROUNDING TERRAIN.

2. BUNKERS OR PARTIALLY BURIED BUILDINGS ARE EITHER UNDER CONSTRUCTION OR COMPLETE IN THE GUIDANCE AREAS OF ALL THE SITES.

3. A SMALL ENVIRONMENTAL DOME, RESEMBLING THOSE USED TO HOUSE OPTICAL TRACKING DEVICES, WAS OBSERVED IN THE GUIDANCE AREA OF THREE SITES, (MAGADAN A13-2, LENINGRAD B38-2, AND KAPUSTIN YAR B09-2).

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T O P S E C R E T

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